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<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER 30090-506-059
INTERNATIONAL APPLICATION NO. PCT/GB2004/002545		U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>10/560547</b>
INTERNATIONAL FILING DATE 11 June 2004		PRIORITY DATE CLAIMED 12 June 2003
TITLE OF INVENTION TRANSPARENT CONDUCTING STRUCTURES AND METHODS OF PRODUCTION THEREOF		
APPLICANT(S) FOR DO/EO/US Stuart SPEAKMAN		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.		
2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.		
3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.		
4. <input checked="" type="checkbox"/> The US has been elected (Article 31).		
5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))		
a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).		
b. <input type="checkbox"/> has been communicated by the International Bureau.		
c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).		
6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).		
a. <input type="checkbox"/> is attached hereto.		
b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).		
7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))		
a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).		
b. <input type="checkbox"/> have been communicated by the International Bureau.		
c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.		
d. <input type="checkbox"/> have not been made and will not be made.		
8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).		
9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).		
10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).		
<b>Items 11 to 20 below concern document(s) or information included:</b>		
11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.		
12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.		
13. <input checked="" type="checkbox"/> A preliminary amendment.		
14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.		
15. <input type="checkbox"/> A substitute specification.		
16. <input type="checkbox"/> A power of attorney and/or change of address letter.		
17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.		
18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).		
19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).		
20. <input checked="" type="checkbox"/> Other items or information: Express Mail Label No. EV 452426554 US      Postcard, Check,		
Mailing Date: 12 December 2005		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <div style="font-size: 24pt; font-weight: bold; text-align: center;">10/560547</div>		INTERNATIONAL APPLICATION NO. PCT/GB2004/002545		ATTORNEY'S DOCKET NUMBER 30099-509-059																																																																		
21. The following fees are submitted: <input checked="" type="checkbox"/> a) Basic national fee..... \$300.00 <input checked="" type="checkbox"/> b) Examination fee..... \$200.00 <input checked="" type="checkbox"/> c) Search fee..... \$500.00 <div style="text-align: right; margin-top: 5px;"> <b>TOTAL OF ABOVE CALCULATIONS = \$1000.00</b> </div>				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Applicant use</th> <th style="text-align: left;">Office use only</th> </tr> <tr> <td>\$ 300.00</td> <td></td> </tr> <tr> <td>\$ 200.00</td> <td></td> </tr> <tr> <td>\$ 500.00</td> <td></td> </tr> <tr> <td>\$ 1,000.00</td> <td></td> </tr> </table>		Applicant use	Office use only	\$ 300.00		\$ 200.00		\$ 500.00		\$ 1,000.00																																																								
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<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.																																																																						
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Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:15%;">CLAIMS</td> <td style="width:15%;">NUMBER FILED</td> <td style="width:15%;">NUMBER EXTRA</td> <td style="width:15%;">RATE</td> <td style="width:15%;"></td> </tr> <tr> <td>Total claims</td> <td>50 - 20 =</td> <td>30</td> <td>x \$50.00</td> <td>\$ 1,500.00</td> </tr> <tr> <td>Independent claims</td> <td>3 - 3 =</td> <td>0</td> <td>x \$200.00</td> <td>\$ 0.00</td> </tr> <tr> <td colspan="3">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td> <td>+ \$360.00</td> <td>\$ 0.00</td> </tr> <tr> <td colspan="4" style="text-align: right;"><b>TOTAL OF ABOVE CALCULATIONS =</b></td> <td>\$ 2,500.00</td> </tr> <tr> <td colspan="4" style="vertical-align: top;"> <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.         </td> <td style="vertical-align: top;">           \$ 1,250.00         </td> </tr> <tr> <td colspan="4" style="text-align: right;"><b>SUBTOTAL =</b></td> <td>\$ 1,250.00</td> </tr> <tr> <td colspan="4" style="vertical-align: top;">           Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).         </td> <td style="vertical-align: top;">           \$         </td> </tr> <tr> <td colspan="4" style="text-align: right;"><b>TOTAL NATIONAL FEE =</b></td> <td>\$ 1,250.00</td> </tr> <tr> <td colspan="4" style="vertical-align: top;">           Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property         </td> <td style="vertical-align: top;">           \$         </td> </tr> <tr> <td colspan="4" style="text-align: right;"><b>TOTAL FEES ENCLOSED =</b></td> <td>\$ 1,250.00</td> </tr> <tr> <td colspan="4" style="text-align: right;">Amount to be refunded:</td> <td style="text-align: center;"> </td> </tr> <tr> <td colspan="4" style="text-align: right;">Amount to be charged</td> <td style="text-align: center;"> </td> </tr> </table> <div style="margin-top: 10px;"> <p>a. <input checked="" type="checkbox"/> A check in the amount of \$ 1,250.00 to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-0311. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p> </div> <p><b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.</p> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 45%;"> <p>SEND ALL CORRESPONDENCE TO:</p> <p>Brian P. Hopkins Mintz, Levin, Cohn, Ferris, Glovsky and Popeo, P.C. Chrysler Center 666 Third Avenue New York, New York 10017 United States of America</p> </div> <div style="width: 45%; text-align: center;">         SIGNATURE        Brian P. Hopkins        NAME        42,669        REGISTRATION NUMBER     </div> </div>		CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		Total claims	50 - 20 =	30	x \$50.00	\$ 1,500.00	Independent claims	3 - 3 =	0	x \$200.00	\$ 0.00	MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360.00	\$ 0.00	<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$ 2,500.00	<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$ 1,250.00	<b>SUBTOTAL =</b>				\$ 1,250.00	Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$	<b>TOTAL NATIONAL FEE =</b>				\$ 1,250.00	Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$	<b>TOTAL FEES ENCLOSED =</b>				\$ 1,250.00	Amount to be refunded:					Amount to be charged				
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IAP9 Rec'd PCT/PTO 12 DEC 2005

IN THE UNITED STATES      ☒ RECEIVING OFFICE(RO/US)  
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TITLE OF INVENTION TRANSPARENT CONDUCTING STRUCTURES AND METHODS OF PRODUCTION THEREOF		
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Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

## VERIFIED CERTIFICATION OF EXPRESS MAILING DATE

I declare that 12 December 2005, I deposited with the United States Postal Service in an envelope "Express Mail, Post Office to Addressee", bearing Label Number EV 452426554 US, addressed to "Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" and having an express mail certificate which I execute, the following papers:

- Form PTO 1390 (2 pgs.)
- International Application as Published (80 pgs.)
- Preliminary Amendment (13 pgs)
- Check Number 2956 in the Amount of \$1,250.00
- Return Postcard

A copy of these papers from the file of this application is attached.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application of any patent issuing thereon.

Brian P. Hopkins

Typed or Printed Name of Person Making This Verified Statement

Date: 12 December 2005



Signature of Person Making This Verified Statement